REMARKS

Claims 1, 4-6, and 9 are pending in this application after amendments. Claims 1 and 6 have been amended to distinctively claim the invented subject matters. The amendments are supported by the originally filed application, e.g., [0020]. Claims 2-3 and 7-8 have been canceled without prejudice. No new matter has been added.

Claims 1, and 3-5 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Rappaport (US 20040229623) in view of Diener (US 7,110,756) further in view of Brown (US 20030212588) and furthermore in view of Zimmerman (US 20010012990)

The examiner rejects previously presented claims 1, and 3-5 under 35 U.S.C. 103(a) as being unpatentable over Rappaport (US 20040229623) in view of Diener (US 7,110,756) further in view of Brown (US 20030212588) and furthermore in view of Zimmerman (US 20010012990). Briefly, the examiner deems that the combination of Rappaport, Diener, Brown and Zimmerman discloses all claimed features in the previously presented claims 1 and 3-5.

Applicant respectfully traverses this rejection for the following reasons.

1. The claimed subject matters of the amended claims 1, 4 and 5

Claim 1 as a representative of claims 1, 4 and 5 is directed to a wireless network simulation system for simulating wireless network performances for planning a wireless network over a predetermined layout, said system comprising: a template database that comprises a plurality of test-bed templates produced by using a database of existing and past site surveys of a variety of locations and sites, and a plurality of simulation templates produced by using a variety of simulation models of actual and fictitious layouts; a template identifier operable to access the template database, wherein the template identifier is adapted to receive search terms and search through the template database for identifying matching templates from the template database based on said search terms, wherein the search terms include design factors relating to the predetermined layout; a wireless network performance contour overlay generator operable to receive desired performance parameters and process the matching template based on the design factors of

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the wireless network and create wireless network performance contour overlays from the desired performance parameters extracted from said matching templates; and a wireless network performance contour overlay superimposer operable to receive said predetermined layout and superimpose each of said wireless network performance contour overlays onto said predetermined layout to produce superimposed layouts; thereby a suitable superimposed layout is selected for implementation.

In essence, the claimed system enables a user to plan a wireless computer network for a predetermined layout without requirements of the user with extensive knowledge; this is achieved by providing a template database with many templates for different layouts, a template identifier for searching for matching templates, a performance contour overlay generator for generating performance contour overlays based on design factors, and a performance contour overlay superimpose for allowing the user to select a suitable template for implementation. The system is simple and straightforward. As discussed in detail below, the claimed system is not taught or suggested by the cited prior arts, even if they are impermissibly combined.

2. Claims 1, 4 and 5 are not unpatentable over Rappaport, Diener, Brown and Zimmerman

Rappaport discloses a method for the design of a wireless communications network in three-dimensions (3-D), where the method combines computerized organization, database fusion, and RF site-specific planning models, enabling a designer to keep track of pre-bid design, installation and maintenance of wireless system. Abstract. The 3-D environmental database contains information relevant to the prediction of wireless communication system performance, where the information includes the location, and the physical and electromagnetic properties of obstructions within the 3-D environment as well as the position and physical and electrical properties of communications hardware to be used or simulated in the environment. [0053]. More critically, the system and method requires that the designer identifies and specifies the location and type of all wireless communication system equipment within the 3-D environmental database. This point-and-click process involves the designer selecting and then visually positioning, orienting, and interconnecting various hardware components

within the 3-D environmental database to form complete wireless communication systems. [0054]. It is apparent that the 3-D database of Rappaport has the advantage of allowing a designer to visualize the planning process, but the system and method of Rappaport requires that the designer have extensive knowledge for selecting and positioning hardware components. This is in total contrast to the concept and object of the present invention. As discussed above, the claimed subject matters of claims 1, 4 and 5 include the use of a template database to allow a user to select a suitable template for his predetermined layout without selecting or positioning hardware components. Therefore, applicant respectfully submits that Rappaport fails to teach or suggest the claimed subject matters in claims 1, 4 and 5.

Diener discloses an intelligent spectrum management system and method that detect, classify and locate sources of RF activity. Abstract. The relevant disclosure in the examiner's view is that correlating the protocol and/or spectrum data collected by the sensors or client devices with location allows for a visual display of information relevant to the performance of a wireless network. Col. 13, lines 29-32. It is evident that this is not related to any of claimed features in claims 1, 4 and 5. Therefore, applicant respectfully submits that Diener fails to teach or suggest the claimed subject matters in claims 1, 4 and 5.

Brown discloses a method for documenting a network architecture planning process. Abstract. The relevant disclosure in examiner's view is: The objects and links are stored in a database... in a database program such as Microsoft Access. What results is an end-to-end planning tool that leads a user through a sequence of steps that results in a configuration list for a particular installation. [0046]. It is evident that the method of Brown does not use a template database that allows a user to select one suitable template for implementing a wireless computer network. Therefore, applicant respectfully submits that Brown fails to teach or suggest the claimed subject matters in claims 1, 4 and 5.

Zimmerman discloses a method for generating a model of the multi-protocol layered transmissions network. Abstract. The features of the overlay of the IP protocol layer of the transmission network and mapping out an overlay including the network elements operative in the protocol layer are totally irrelevant to the present invention.

Therefore, applicant respectfully submits that Zimmerman fails to teach or suggest the claimed subject matters in claims 1, 4 and 5.

In summary, the cited four references, even if they are impermissibly combined, fail to teach or suggest the claimed subject matters of claims 1, 4 and 5.

Claims 6 and 9 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Rappaport (US 20040229623) in view of Brown (US 20030212588) and further in view of Zimmerman (US 20010012990)

The examiner rejects previously presented claims 6 and 9 under 35 U.S.C. 103(a) as being unpatentable over Rappaport in view of Brown and further in view of Zimmerman. Briefly, the examiner alleges that the combination of Rappaport, Brown and Zimmerman discloses all features in claims 6 and 9.

Since claim 6 is a method claim that is parallel to claim 1. For the sake of simplicity, applicant respectfully submits that the amended claims 6 and 9 are not unpatentable over Rappaport, Brown and Zimmerman for the same reasons discussed above for claims 1, 4 and 5.

Conclusion

Claims 1, 4-6 and 9 are now in condition for allowance. Applicants respectfully request that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

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